REMARKS

Examiner has rejected claims 2 and 3 under 35 U.S.C. 112 as having insufficient antecedent basis for "said stored image representation". Applicants have amended claims 2 and 3 to be dependent upon claim 5, where antecedent basis for "stored image representation" may be found.

Examiner has rejected claims 2 and 3 under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,435,969 to Tanaka et al. ("Tanaka") in view of U.S. Patent No. 6,811,492 to Arakawa et al. ("Arakawa") and further in view of U.S. Patent No. 6,069,648 to Suso et al. ("Suso"). Applicant has summarized the teachings of Tanaka in an earlier communication. Applicant pointed out that Tanaka did not disclose an external computer interface. Applicant maintains this distinction remains and is not disclosed by either Arakawa or Suso. Tanaka shows an I/O Interface 52 in FIG. 13, but this is an internal only interface; an interface that is coupled between the game device internal CPU 51 and a display drive circuit 55, operating switches 23-25, an external ROM 45, and a format converting processor 56 (the last two elements being disposed in a removable cartridge portion). Col. 11, lines 3-14. Also, the camera (in one version at least) is disposed in the cartridge, coupled to the format converting processor 56, and removable from the game device. Since Applicant's image capturing device requires an optoelectric transducer, image processor, microprocessor, memory, user interface, and display to be within a housing, the *external* computer interface obviously cannot interface with internal elements Thus, Tanaka's I/O (which interfaces only with items similar to Applicant's internal elements) does not anticipate an *external* computer interface, as Applicant has claimed.

Examiner has identified two other claimed elements missing from the teachings of Tanaka: the at least one electromechanical activator and the display, switched as claimed. Examiner has introduced Arakawa and Suso as disclosing these elements. Applicant does not necessarily agree that the motivation or teaching for the combination of these references was present at the time of Applicant's invention.

The missing elements notwithstanding, Applicant has rewritten claim 2 to be dependent upon allowed claim 5 and has changed certain language for proper antecedent basis. Applicant now believes claim 2 to be allowable.
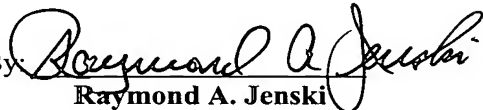
Examiner has rejected claim 3 under 35 U.S.C. 103(a) as being unpatentable over Tanaka in view of Arakawa and Suso and further in view of U.S. Patent No. 6,530,838 to Ha et al. ("Ha"). Claim 3 is dependent upon a now believed allowable claim 2, and therefore Applicant believes claim 3 to be allowable.

Examiner has stated that claims 5-16 are allowed.

Therefore, in view of the foregoing amendment and remarks, Applicant believes the present Application for patent to now be suitable for allowance. Examiner is respectfully requested to enter the present amendment, withdraw the objections and rejections of the present application, and pass the amended application to allowance. In the alternative, Examiner is respectfully requested to enter the present amendment as placing the present application in a better condition for appeal.

Respectfully submitted,
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ATTACHMENT 1

This listing of claims will replace all prior versions and listings of claims in this Application.

1. (Cancelled)

2. (Currently Amended) An image capturing <u>device in accordance with claim 5 further</u> comprising:

~~a housing;~~

~~an optoelectric transducer disposed in said housing, arranged to accept an optical input via a light transmissive opening through said housing, and to convert said optical input to an electrical signal;~~

~~an image processor disposed within said housing and electrically coupled to said optoelectric transducer;~~

a ~~handheld~~ computing device disposed within said housing, coupled to said image processor, and including ~~:~~ a microprocessor ~~, memory coupled to said microprocessor, a user interface further comprising at least one electromechanical activator, an external computer interface,~~ and a display;

wherein said display, when switched from displaying computing device information, displays an image regenerated at least in part by said microprocessor from said electrical signal; and

wherein said at least one electromechanical activator ~~, when switched from accepting computing device instruction,~~ enables acceptance of a user instruction to couple a second electrical signal representative of said stored image representation to said <u>integral</u> ~~external computer~~ interface <u>connector</u> ~~of said handheld computing device~~ to save said electrical signal as a stored image representation in <u>said</u> ~~an~~ external computer.

3. (Currently Amended) An image capturing device in accordance with claim 2 wherein said memory includes a computing device stored document and wherein said display further comprises a tactile input display adapted to accept a user input to associate said stored image representation with <u>a</u> ~~said~~ stored document.

4. (Cancelled)

5. (Previously Presented) An image capturing device comprising

a housing;

an optoelectric transducer disposed in said housing, arranged to accept an optical input via a light transmissive opening through said housing, and to convert said optical input to an electrical signal;

an image processor disposed within said housing and electrically coupled to said optoelectric transducer;

a memory coupled to said image processor;

a user interface further comprising at least one electromechanical activator adapted to accept both a user instruction to turn the image capturing device on and to save said electrical signal as a stored image representation ; and

an integral interface connector coupled to said image processor and adapted to be coupled to an external computer without an intervening cable.

6. (Original) An image capturing device in accordance with claim 5 wherein said at least one electromechanical activator further comprises an electromechanical activator recessed below an external surface of said housing.

7. (Original) An image capturing device in accordance with claim 5 wherein said user interface further comprises a second electromechanical activator adapted to accept both a user instruction to review said stored image representation and to turn the image capturing device off.

8. (Original) An image capturing device in accordance with claim 7 wherein said second electromechanical activator is further adapted to accept a momentary user instruction to review said stored image representation and to accept a continuous user instruction to turn the image capturing device off.

9. (Original) An image capturing device in accordance with claim 5 wherein said user interface further comprises a third electromechanical activator adapted to accept a user instruction to delete said stored image representation.

10. (Original) A method of capturing and integrating an image in a combined handheld computing and image capture device comprising the steps of:

determining a function of at least one electromechanical actuator;

launching an application program from a memory in the device, said application program unrelated to image capture;

repurposing said at least one electromechanical actuator from said determined function to a shutter actuator function;

exposing an optoelectric transducer disposed in a housing of the device to light input via a light transmissive opening through said housing;

converting said light into an electrical signal;

upon actuation of said repurposed at least one electromechanical actuator, processing and storing said electrical signal as an image representation in said memory; and

recalling said image representation for use in said launched application program.

11. (Original) A method in accordance with the method of claim 10 further comprising the steps of pasting at least a portion of said recalled image into a document of said launched application program and recalling said image representation for presentation on a display of the device.

12. (Original) A method of capturing and integrating an image in an image capture device comprising the steps of:

turning the image capture device on in response to a user's activation of a first electromechanical actuator;

exposing an optoelectric transducer disposed in a housing of the device to light input via a light transmissive opening through said housing;

converting said light into an electrical signal;

accepting a user instruction to said first electromechanical actuator to save said electrical signal as a stored image representation; and

recalling said image representation.

13. (Previously Presented) A method in accordance with the method of claim 12 further comprising the step of accepting a user instruction to a second electromechanical activator to review said stored image representation.

14. (Original) A method in accordance with the method of claim 13 further comprising the step of accepting a user instruction to said second electromechanical activator to turn the image capturing device off.

15. (Original) A method in accordance with the method of claim 14 wherein said steps of accepting a user instruction to said second electromechanical activator to review said stored image representation and accepting a user instruction to said second electromechanical activator to turn the image capturing device off further comprises the steps of accepting a momentary user instruction to said second electromechanical activator to review said stored image representation and accepting a continuous user instruction to turn the image capturing device off.

16. (Original) A method in accordance with the method of claim 12 further comprising the step of accepting a user instruction to a third electromechanical activator to delete said stored image representation.